Hypershelf

A Multidimensional Browser for Exploring Content Across the Library

[VR Goggles not included]

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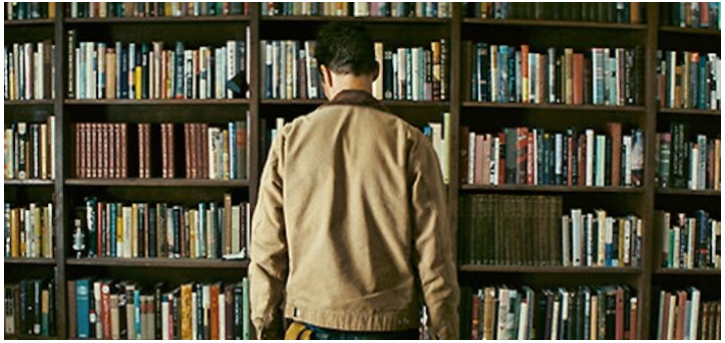
Brown Bag Series hashtag: **#dlbb**

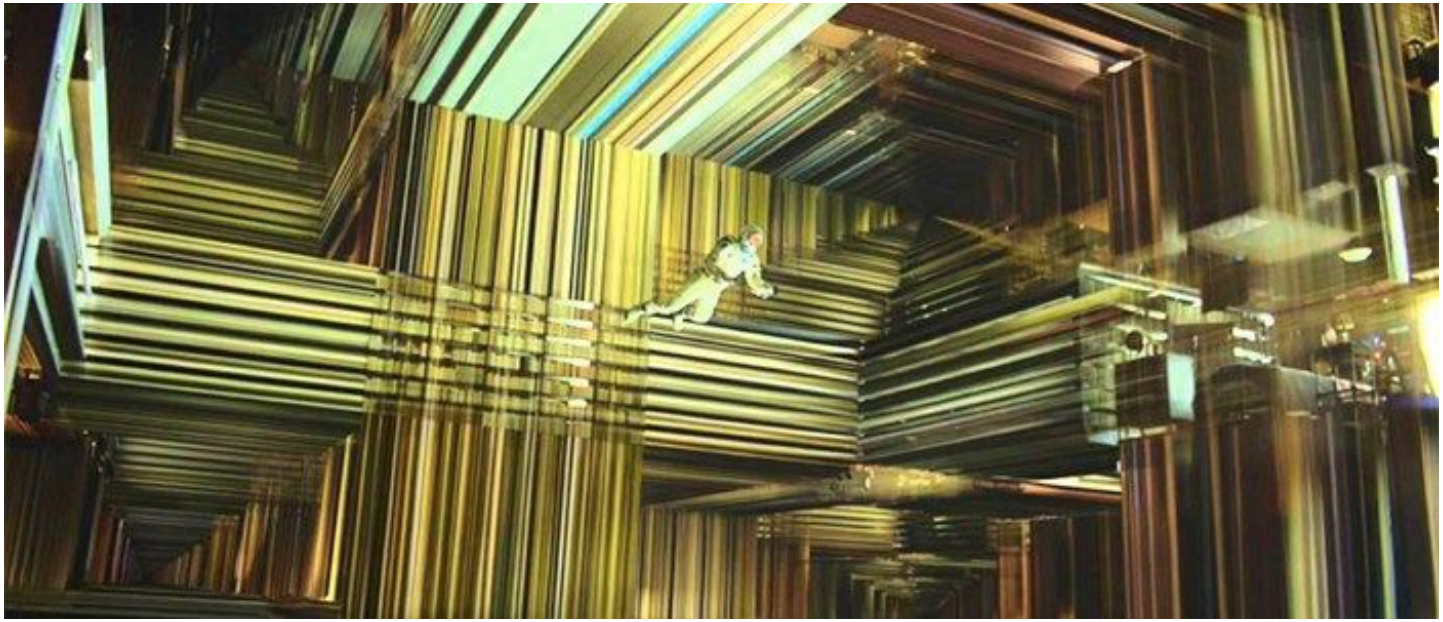
http://inphodata.cogs.indiana.edu/

Interstellar (2015)
Christopher Nolan (director)
Paramount and Warner Brothers

From:



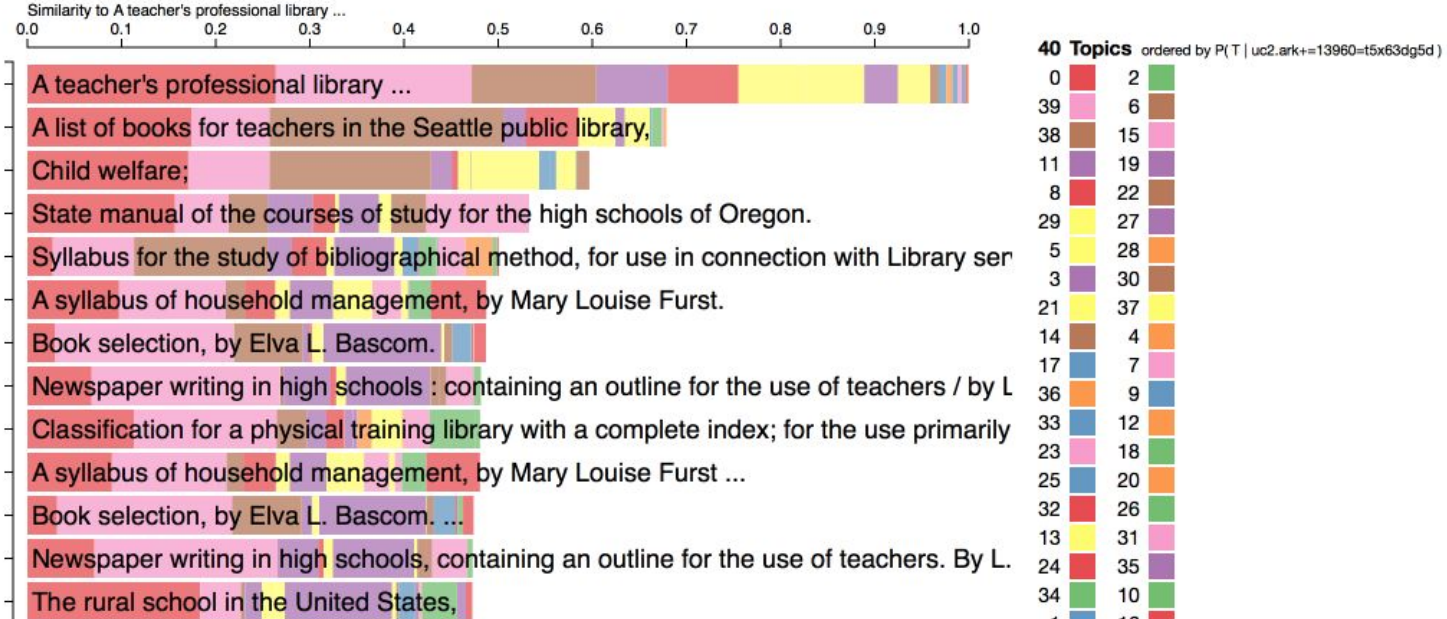
To:



InPhO Topic Explorer

This visualization shows the similarity of books in the HTRC-1315 collection (generated by searching the HathiTrust Research Collection in 2013 for the terms "anthropomorphism", "comparative psychology", and "Darwin") to **A teacher's professional library ....**

A teacher's professional library ... | 40 Topics | Cite | Tweet



HyperShelf

http://inphodata.cogs.indiana.edu/ (permanent project & demo site)
http://github.com/inpho/topic-explorer/ (open source + installation guide)

BROWSING BY SUBJECT AREA -- Temporary demo sites (URLs not stable)

- Cardiovascular Disease (RC666-701)
- 20th Century England (DA566-592)
- 19th Century Swedish Literature (PT9725-9850)
- Geodesy (QB275-343)

Ideas for Multi-Model Topic Visualization

SEP entries (production site): https://inpho.cogs.indiana.edu/idea/5578.html

Demos:

- Cardiovascular Disease: http://inphodata.cogs.indiana.edu:8103/
- 20th Century England: http://inphodata.cogs.indiana.edu:8100/
- 19th Century Swedish Literature: http://inphodata.cogs.indiana.edu:8101/
- Geodesy: http://inphodata.cogs.indiana.edu:8102/

Other LDA visualization approaches

https://stacklife.harvard.edu (may be non-functional)

http://cpsievert.github.io/LDAvis/reviews/vis/#topic=2&lambda=0.6

Future Projects & Futuristic Ideas

> Crossing LoC boundaries

> Scale up to full collection size

> Workflows for collection assessment

< Scan a physical book’s barcode or RFID/NFCto start HyperShelf

< SoC (Sytems on a Chip) to embed digital copy + digital services in physical book

< Quick OCR > Query Sample for books/docs not in the collection